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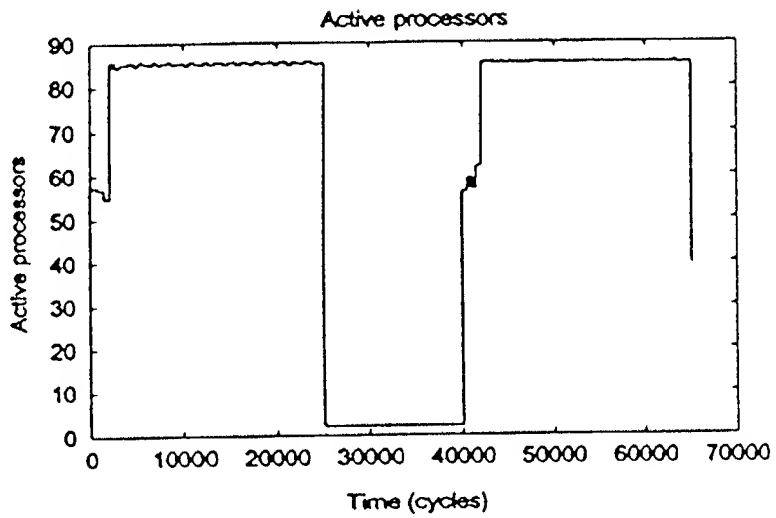


FIGURE 1A

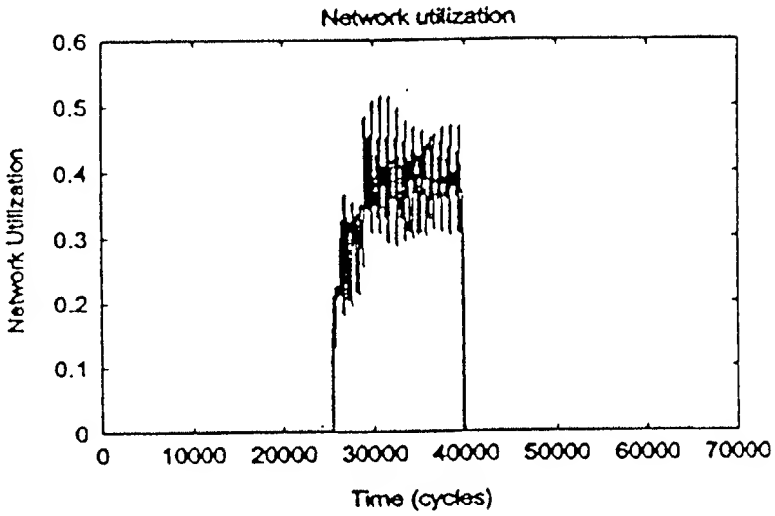


FIGURE 1B

FIGURE 2A

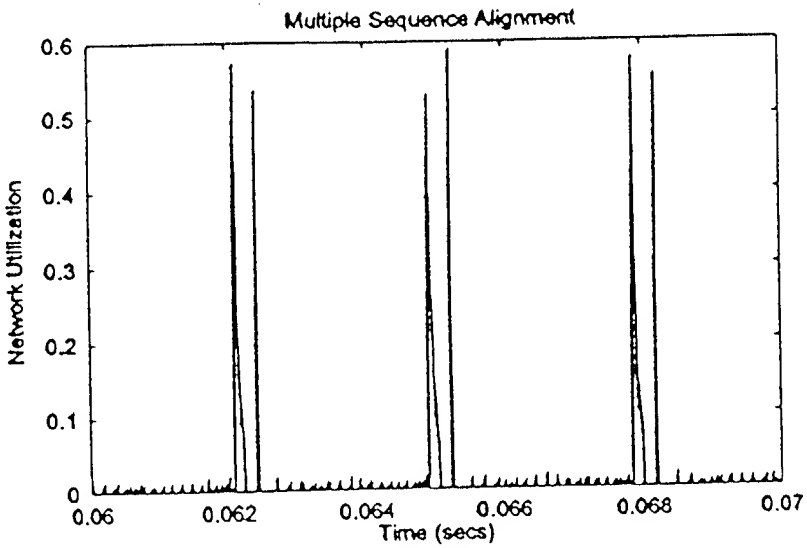
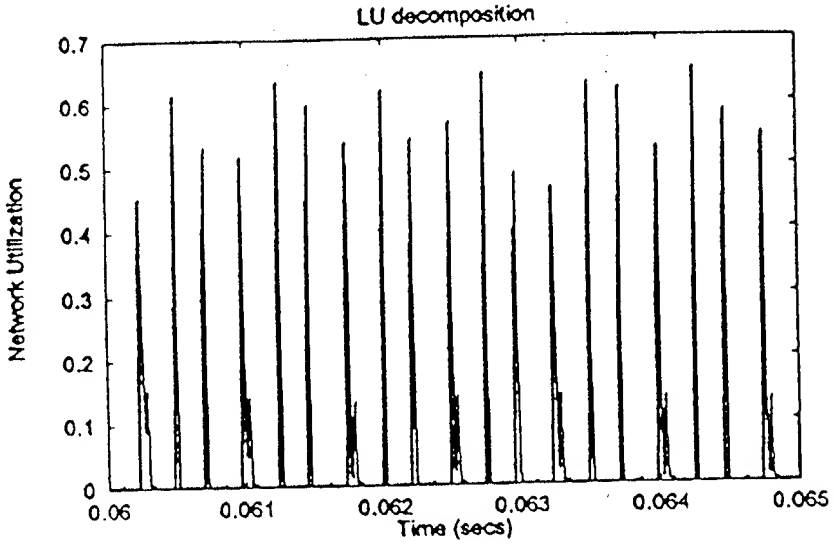


FIGURE 2B



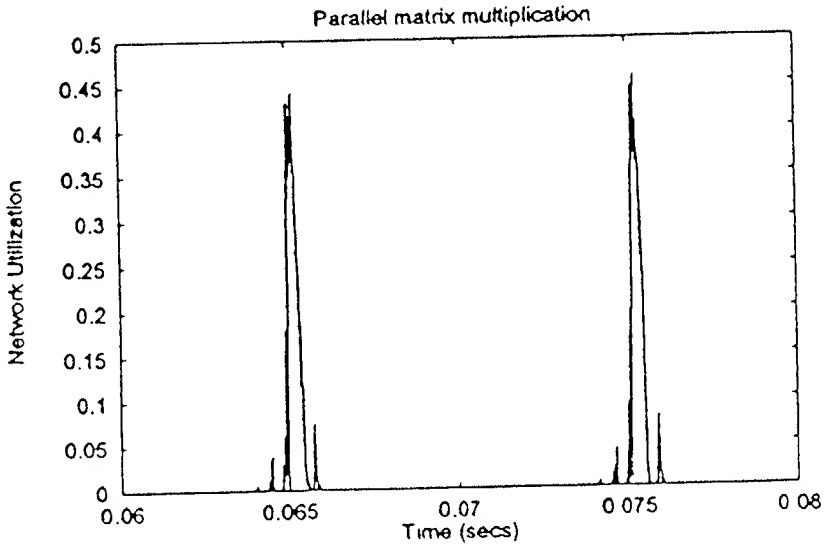


FIGURE 2C

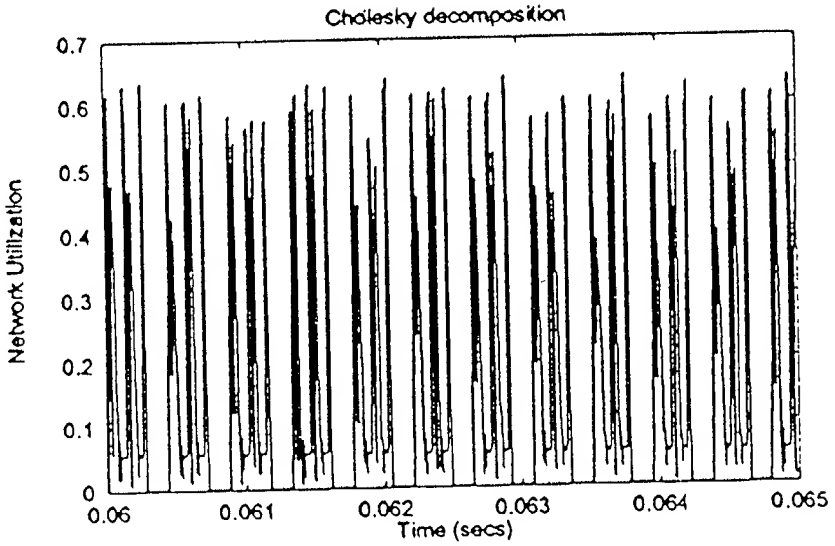


FIGURE 2D

FIGURE 3

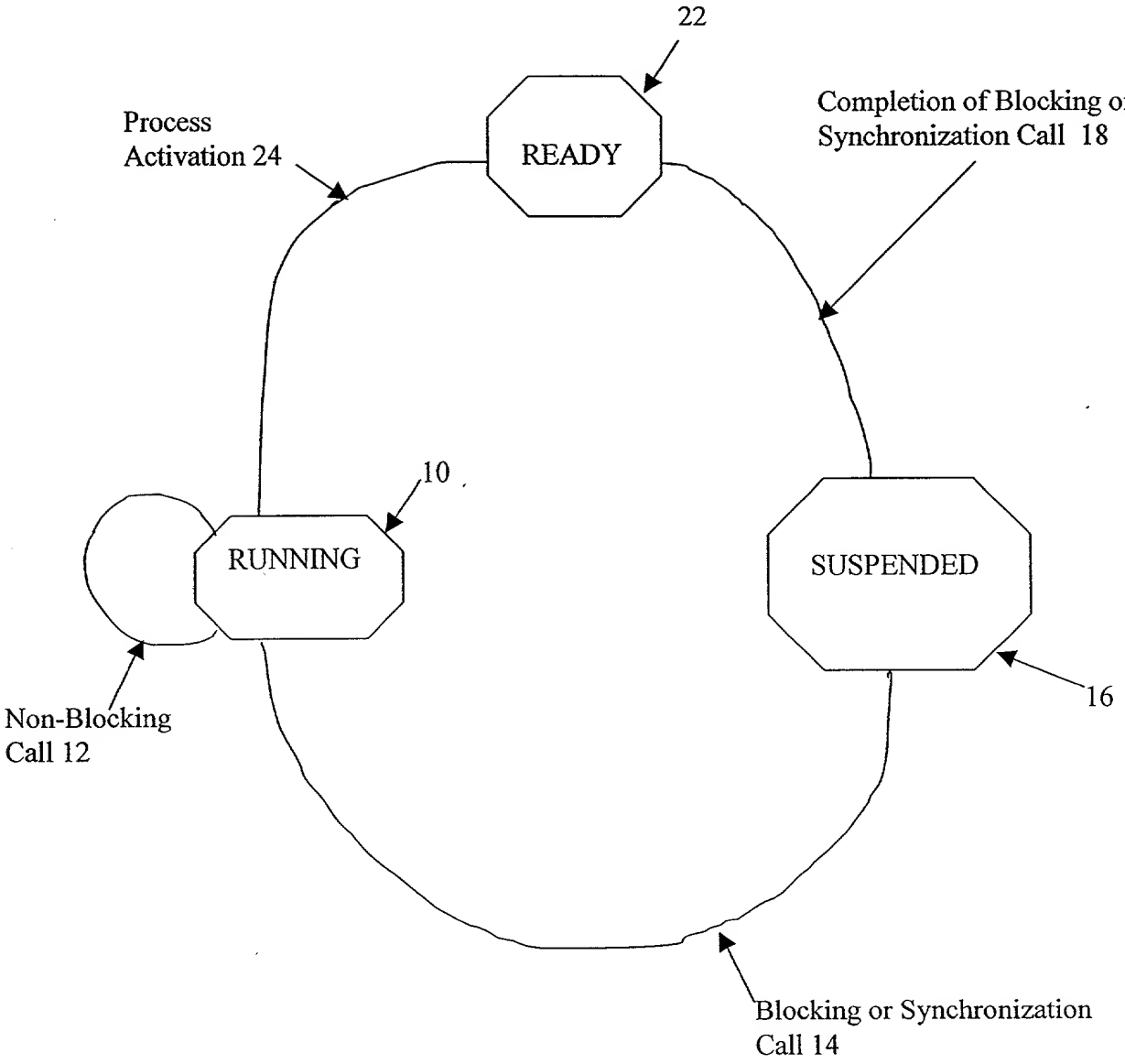

22
READY
Process
Activation 24
Completion of Blocking or
Synchronization Call 18
10
RUNNING
SUSPENDED
16
Non-Blocking
Call 12
Blocking or Synchronization
Call 14

FIGURE 4

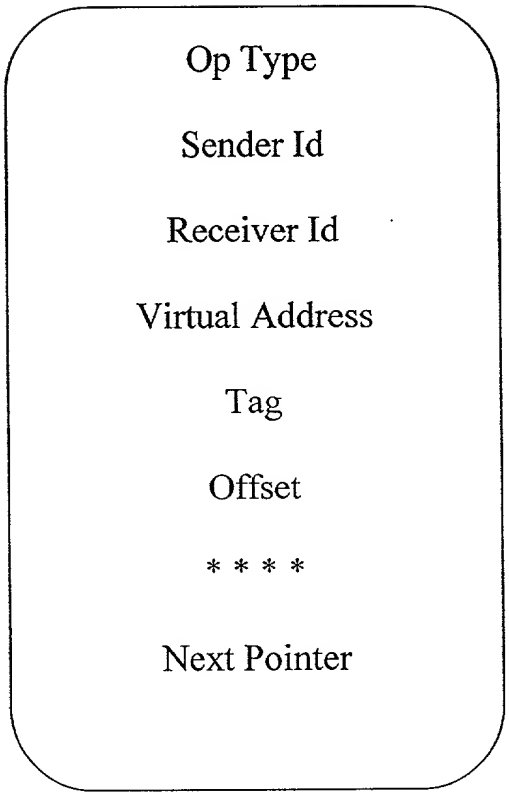


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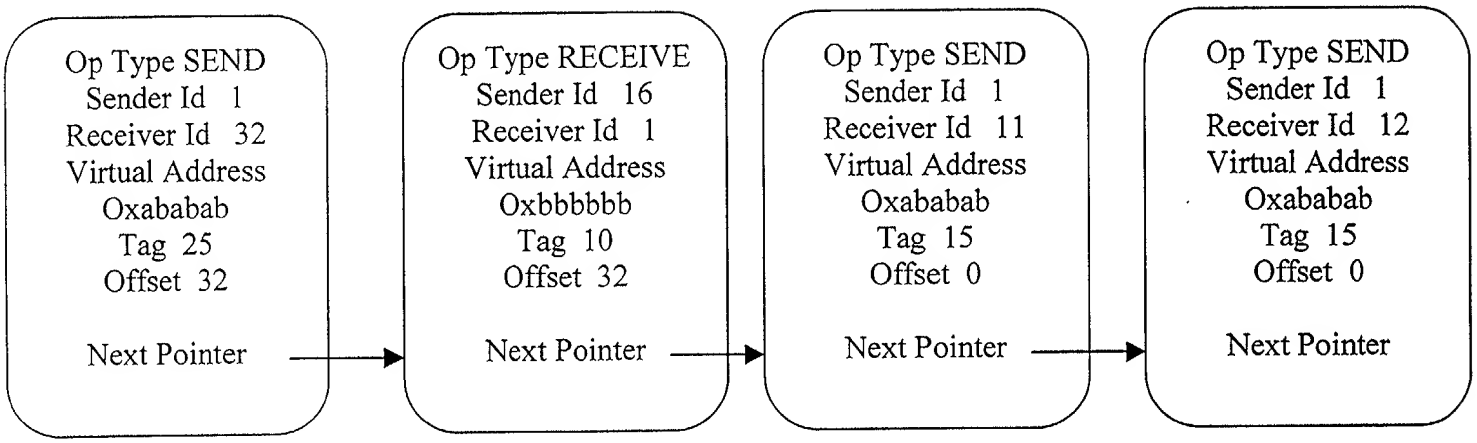
FIGURE 5



T08290 "D/55686B0

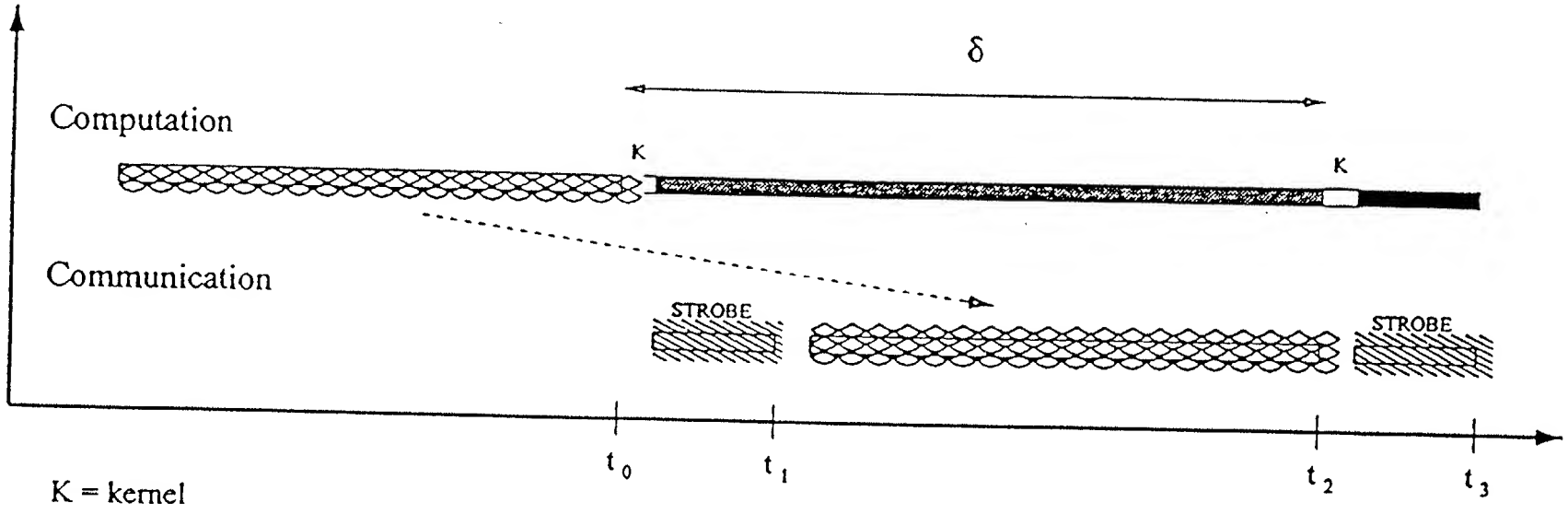


FIGURE 6

FIGURE 7 - Job Scheduler

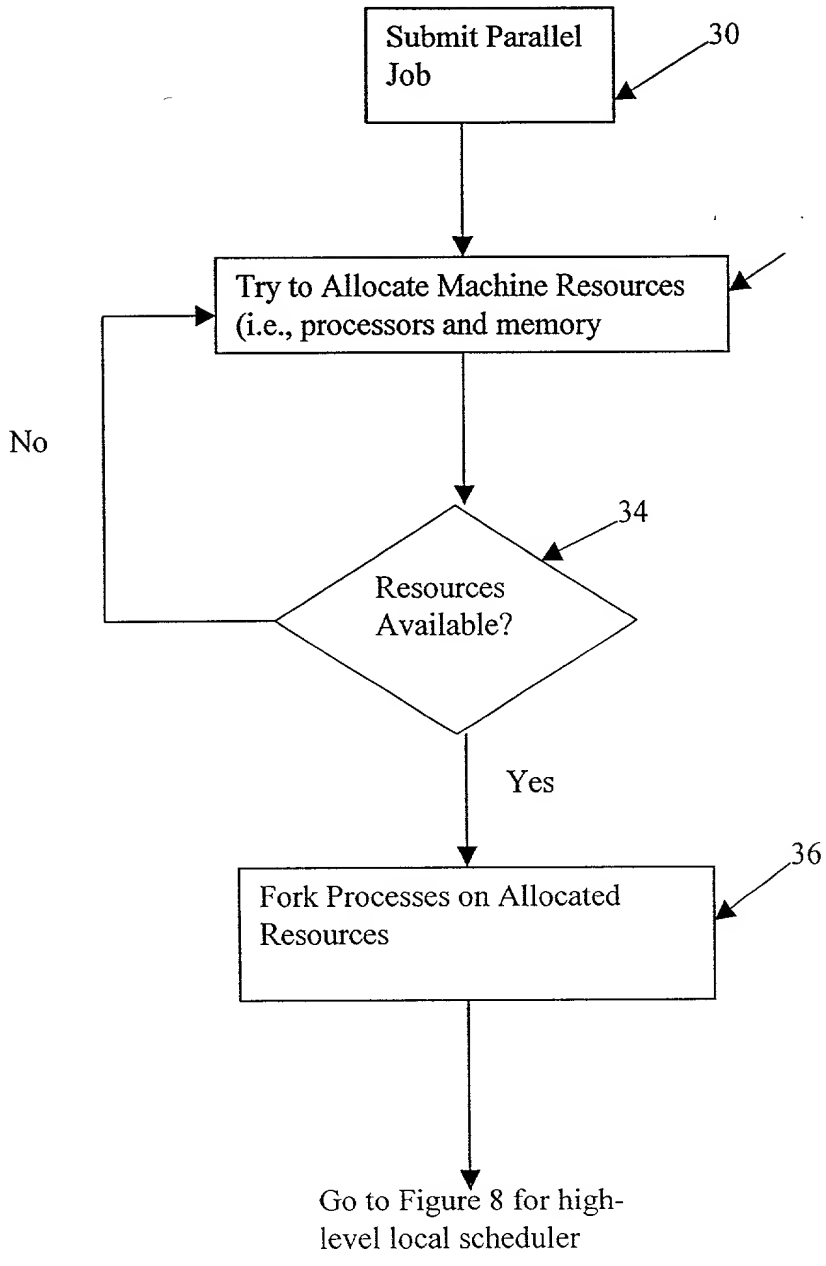


FIGURE 8 - LOCAL SCHEDULER FOR BCS

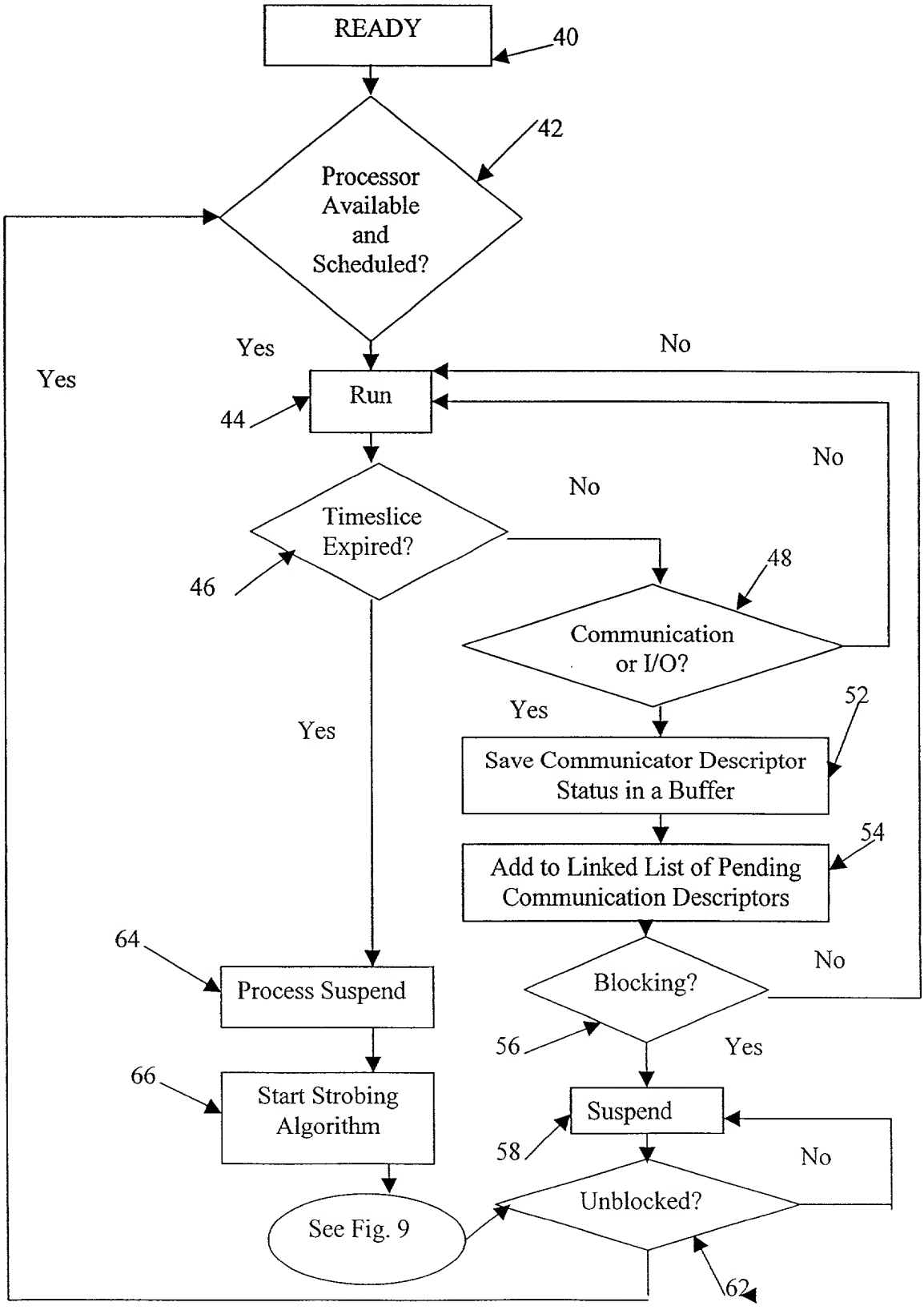


FIGURE 9 - STROBING ALGORITHM

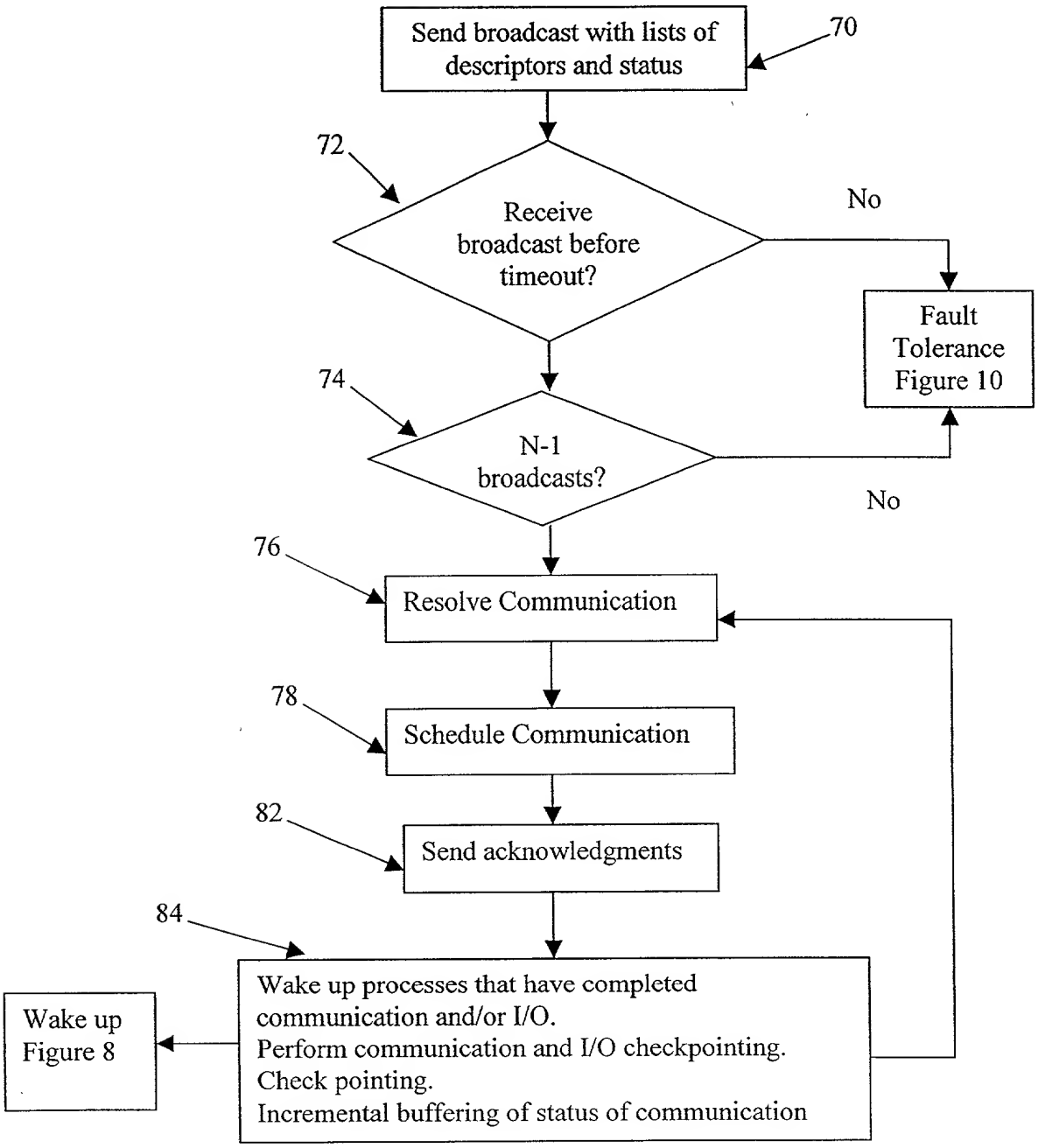
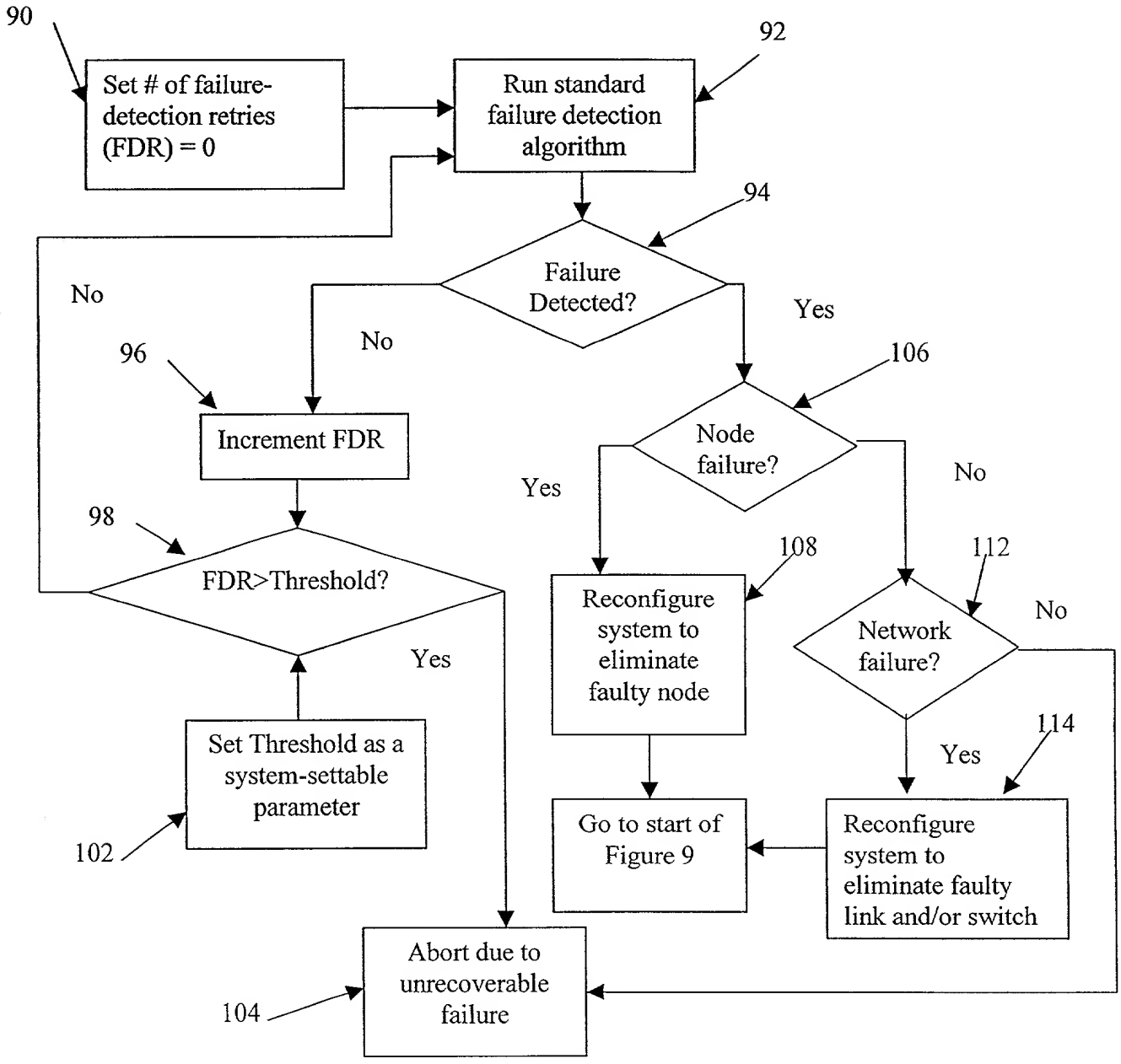


FIGURE 10


90
Set # of failure-detection retries (FDR) = 0
92
Run standard failure detection algorithm
94
Failure Detected?
No
Yes
No
96
Increment FDR
98
FDR>Threshold?
Yes
Set Threshold as a system-settable parameter
102
106
Node failure?
Yes
No
108
Reconfigure system to eliminate faulty node
112
Network failure?
No
Yes
114
Reconfigure system to eliminate faulty link and/or switch
Go to start of Figure 9
Abort due to unrecoverable failure
104